



Medical Monitor Solutions

RadiForce®



extracting the essence.



Carving out the smallest details is essential in medical practice.

Only people who can obtain a clear picture, and only those who can separate what is important from what is not, get clear results in medicine.

Exceptional image quality, a perfectly coordinated network, support software, and excellent customer service are some of the reasons why EIZO RadiForce medical solutions are found in leading hospitals around the world.

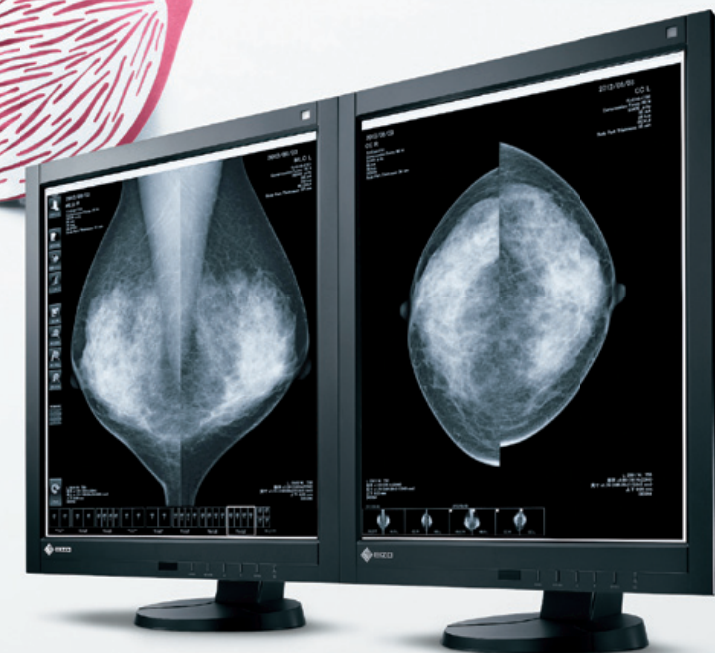
Because just like medical professionals, we always have one goal in mind:

extracting the essence.

Clinical Review Monitors
RadiForce MX-Series



Digital Mammography Monitors
RadiForce Mammo-Series



Diagnostic Monitors
RadiForce G&R-Series



Multi-Modality Monitors
RadiForce Multi-Series



Monitor Quality Control Solutions
RadiCS & RadiNET Pro



Medical Monitor Solutions RadiForce®

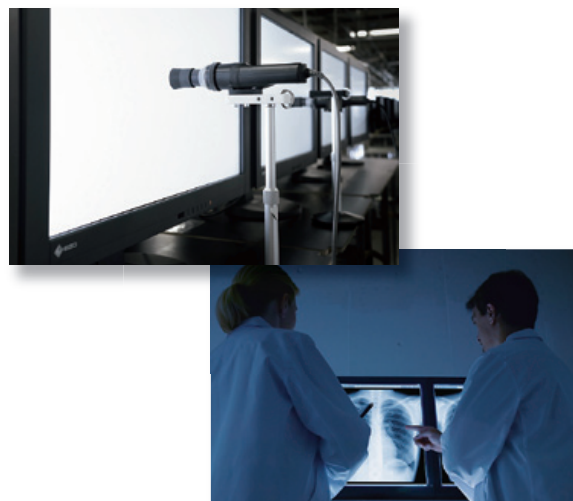
RadiForce specially designed 1 to 8 megapixel monochrome and color monitors take full account of medical institutions' need for different types of monitors with DICOM Part 14 standard calibration and high-performance capabilities required for precise diagnoses.



Common Features

Make the Precise Diagnosis

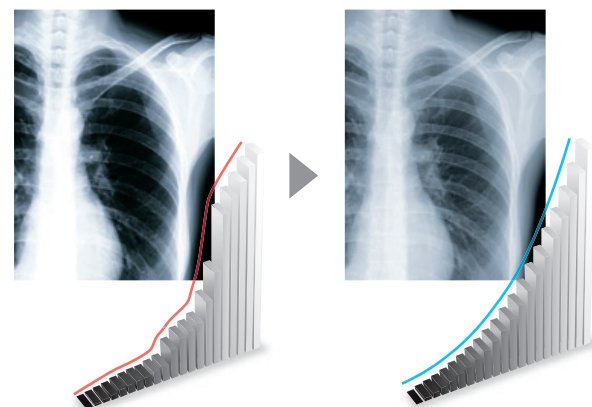
EIZO carefully measures and sets each and every grayscale tone to create a monitor compliant with DICOM Part 14. This ensures the most consistent shading possible, allowing you to make the most accurate diagnosis. MS models also feature a DICOM preset mode for optimal medical image viewing.



Maintain the Precision

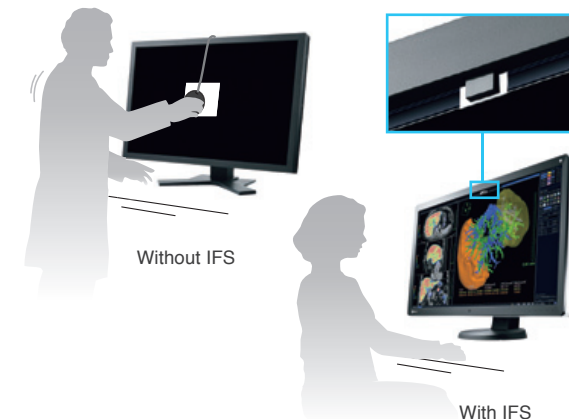
Perform a simplified calibration compliant with DICOM Part 14 using the bundled RadiCS LE quality control software. RadiCS LE corrects the brightness and grayscale tones of the monitor to maintain image accuracy and consistency over time.

RadiCS LE not bundled with the SMD 19102 or MS235WT.



Manage Effortless Quality Control

An Integrated Front Sensor (IFS) housed within the front bezel measures brightness and grayscale tones and calibrates to the DICOM Part 14 standard. The hands-free IFS performs quality control tasks and does not interfere with the viewing area while in use. This dramatically cuts the workload and maintenance costs needed for maintaining monitor quality control.



Keep Your Monitor Lit Longer

The monitors are equipped with an LED backlight that offers a significantly longer service life over conventional CCFL, which deteriorate more quickly. In addition, you can maintain high brightness while simultaneously lowering power consumption. Since the LED backlight is mercury-free, it will also reduce any potential impact on the environment when it is disposed of.

Not applicable to models equipped with CCFL.





Common Features

View Accurate Images in Moments

The EIZO-patented drift correction function quickly stabilizes the brightness level of the monitor upon startup or wakeup from sleep mode, giving you the most accurate images quickly ready for viewing. In addition, a sensor measures the backlight brightness and automatically compensates for brightness fluctuations caused by ambient temperature and aging for a consistently stable display.

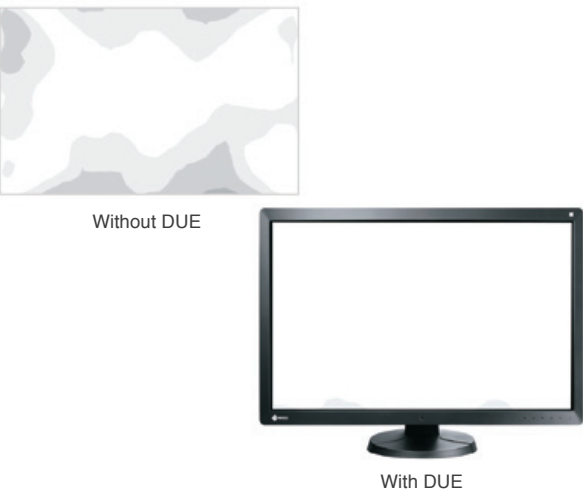
All models except the MS235WT.



Attain Steady Images Across the Screen

The Digital Uniformity Equalizer (DUE) function helps to even out fluctuations in brightness and chroma on different parts of the screen to provide smoother images, a quality typically difficult to attain due to the characteristics of LCD monitors.

All models except the SMD 19102, RS110, MX191, and MS235WT.



Comfortably View from Any Angle

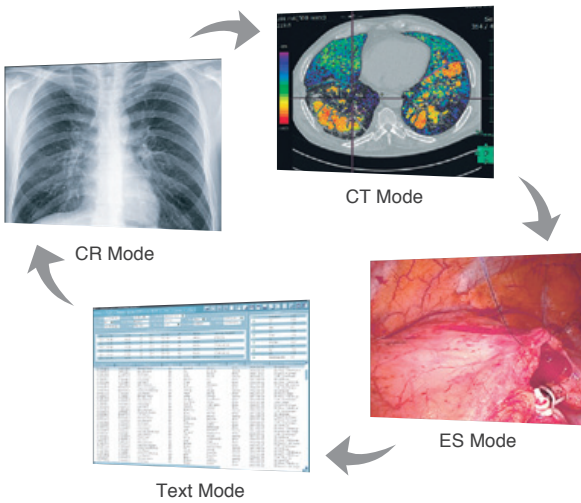
Wide viewing angles allow you to view the screen from the side with minimal color shift, also permitting more than one person to view the monitor comfortably at the same time.



Select the Ideal Mode for Modalities

The CAL Switch function allows you to choose various modes for different modalities such as CR, CT, and endoscopy. It can be conveniently accessed using the monitor's front panel buttons to easily switch to optimal image viewing conditions.

Number or type of the modes vary by model.

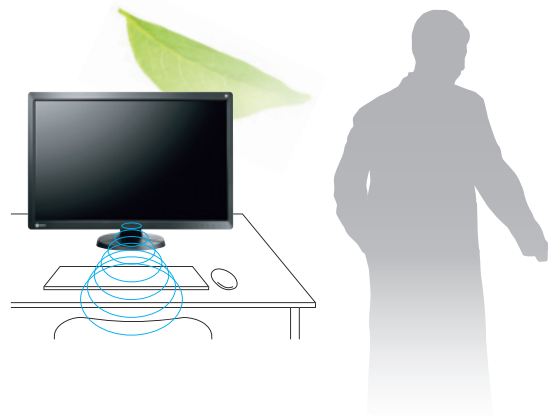




Common Features

Conserve Energy While Away

The presence sensor feature equipped with some models prompts the monitor to switch to power save mode when it detects you are away, and then resumes normal operation when you return. This ensures that the monitor conserves power when it is not in use, uniting convenience with savings.



Improve Operability

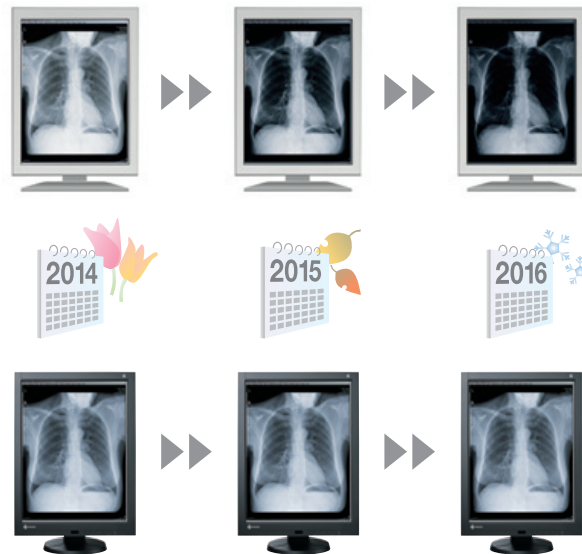
EIZO's highly versatile stand offers tilt, swivel, and a wide height adjustment range, enabling you to use the monitor with greater comfort.



Stay Confident with Stable Brightness

EIZO's confidence in its product quality extends to brightness stability which is also covered during the usage time specified in the warranty.

All models except the MX-Series.



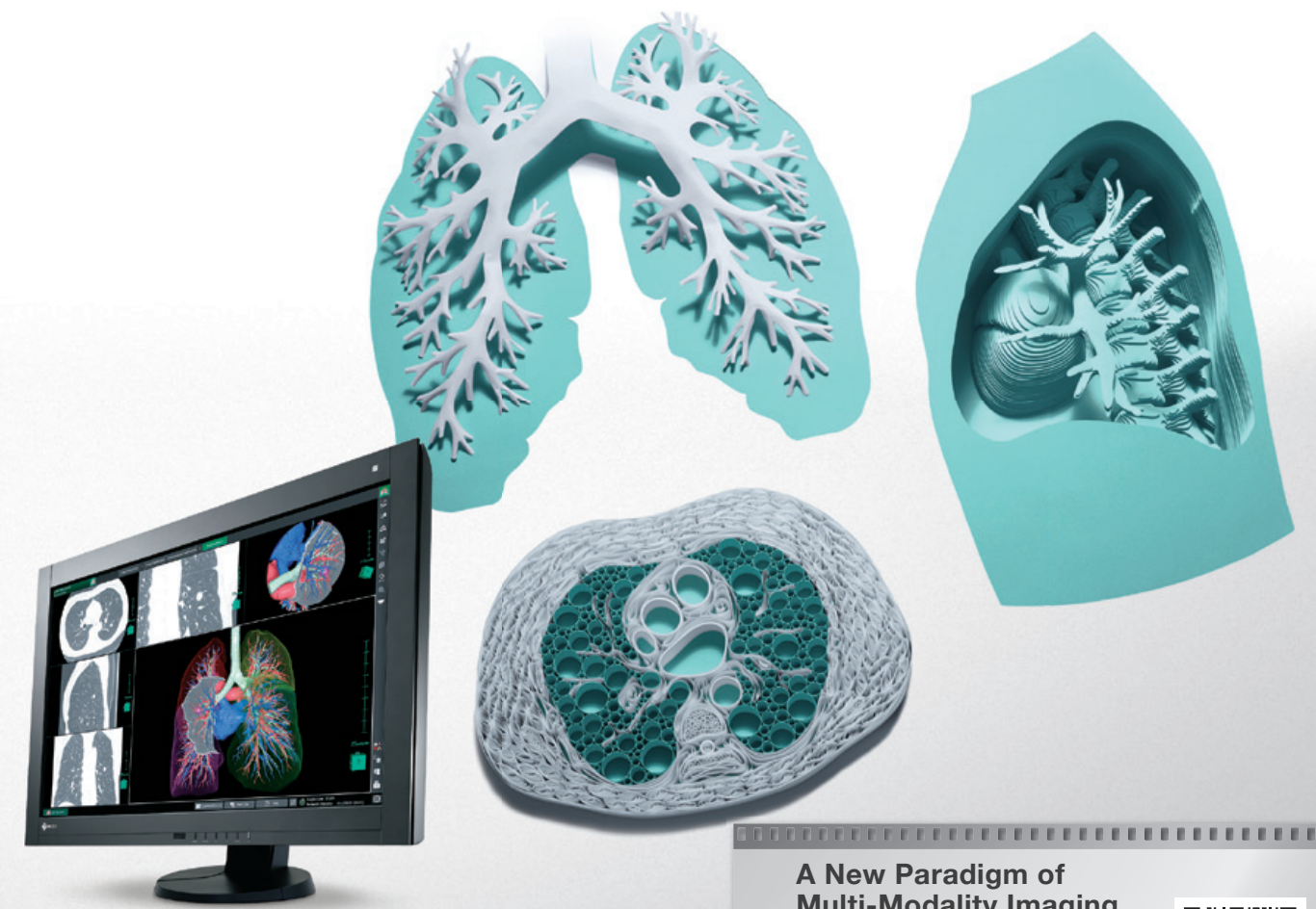
Rest Assured with Medical Qualifications

The monitors meet the strictest medical, safety, and EMC emission standards.



Multi-Modality Monitors RadiForce® Multi-Series

These super high-resolution diagnostic monitors can display a variety of medical images on one screen at the same time using EIZO's unique Hybrid Gamma technology.



A New Paradigm of Multi-Modality Imaging

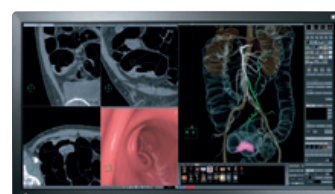
An introduction to the multi-modality approach and the beneficial features of multi-modality monitors.
www.eizo.com/global/mm/



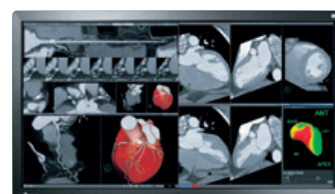
Features

Streamline Your Workflow

RadiForce multi-modality monitors are capable of displaying 4, 6, or 8 megapixels of information volume without the obtrusive bezels typically found in a multi-monitor setup. Multi-modality solutions give plenty of room to display all necessary imaging applications at once to streamline the radiology workflow and enhance overall efficiency.



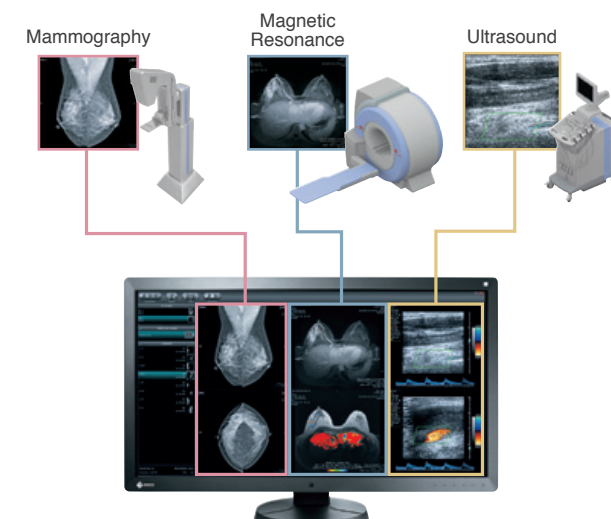
Colon Analysis Application



Cardiac Analysis Application

Maintain High Performance

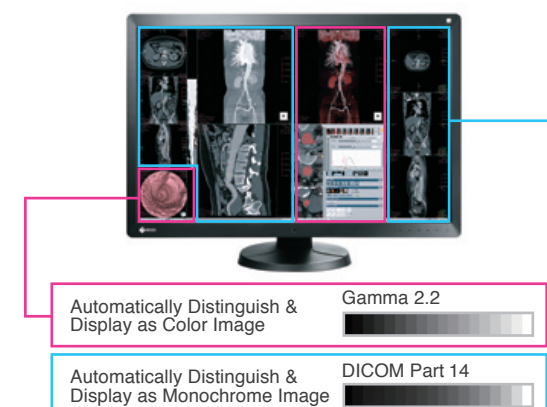
Multi-modality monitors are capable of displaying images to suit a number of modalities such as CR, DR, MRI, CT, and ultrasound. The RadiForce RX850's 8MP high-resolution screen also displays digital mammography images in exceptional detail.



Optimize Color & Monochrome Brightness

EIZO's unique Hybrid Gamma function distinguishes whether the images being displayed are monochrome or color and displays each image in optimal brightness and tone, even when viewed on the screen at the same time. This expands the usability of PACS applications by allowing accurate review of color and monochrome mix images.

*Accuracy in distinguishing between monochrome and color images may depend on how they are aligned.
Viewer software compatibility verification is required.*



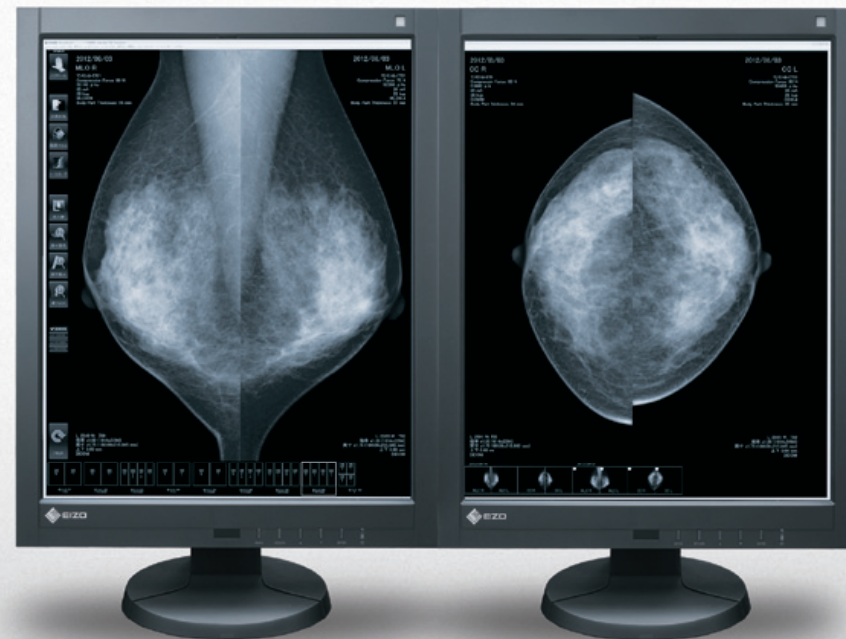
Conveniently View Images Side-by-Side

Two screens from separate input signals can be displayed simultaneously on one monitor. The bezel-less widescreen enables simplified and flexible operation when it is necessary to view images side-by-side.



Digital Mammography Monitors RadiForce® Mammo-Series

It is vital in the process of early breast cancer detection that monitors display accurate and consistent quality images. EIZO provides optimum diagnosis confidence with a 5 megapixel monitor specifically for digital mammography imaging.



5MP GX540
54 cm (21.3") Monochrome LCD Monitor



Digital Mammography in the Field

See how digital imaging is being used for mammography to improve the diagnostic workflow.

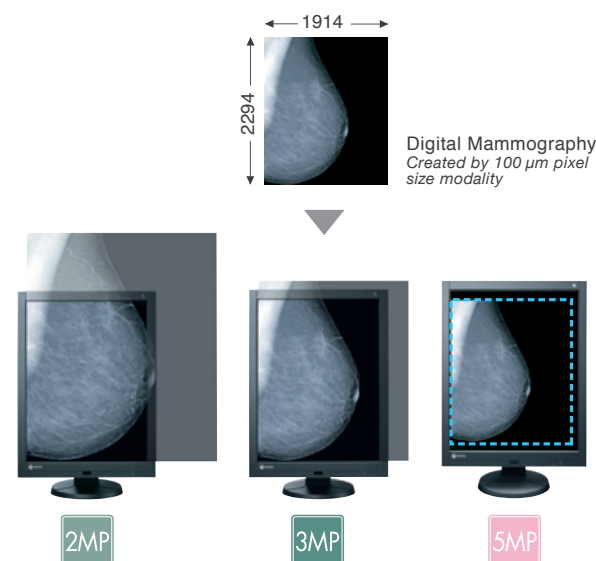
www.eizo.com/global/i/mammo/



Features

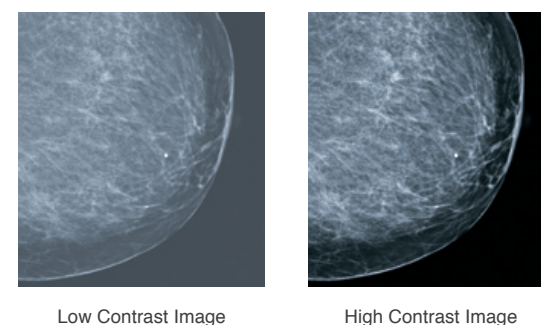
View Mammography Images Clearly

5 megapixel monitors allow you to see smaller details that are essential in digital mammography. The high resolution retains important information to prevent decreased image quality and pixelation that occur when viewing at a lower resolution.



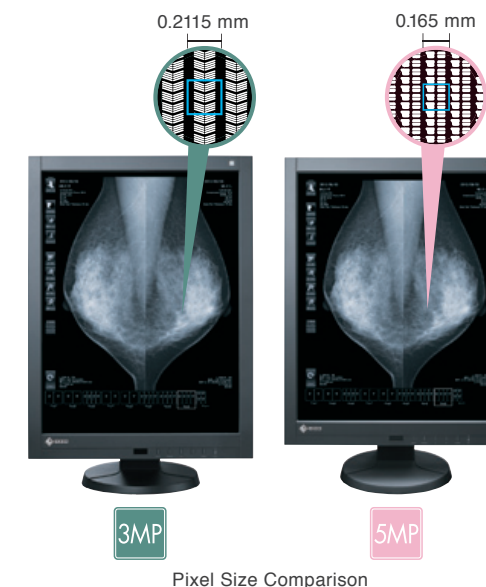
Easily Distinguish Subtle Tones

To detect the smallest structures, the monitor offers a high contrast ratio to accurately render the finer details. The deeper black levels distinguish similar shades of gray for sharper monochrome image reproduction.



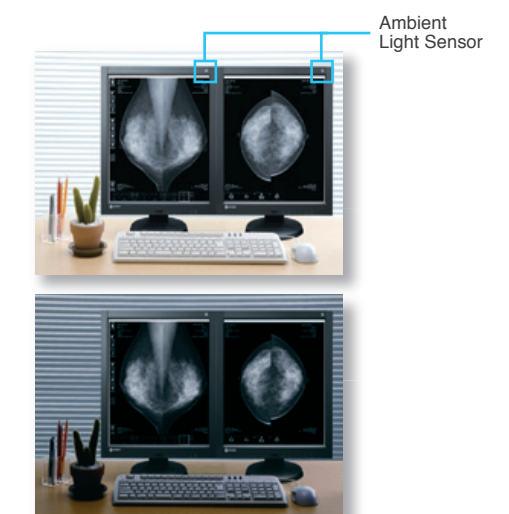
Bring Out the Finest Details

Thanks to a pixel pitch of just 0.165 mm, the monitor offers exceptionally high brightness levels and a wide aperture ratio to bring out the finest details with a smooth, clear representation.



Ensure Optimal Brightness at All Times

The Ambient Light Tracking (ALT) function with embedded ambient light sensor available with the GX540 continuously checks the lighting conditions of the room and automatically optimizes the monitor's brightness and grayscale tone to DICOM Part 14. This ensures consistently accurate images at all times.



Diagnostic Monitors

RadiForce® G&R-Series

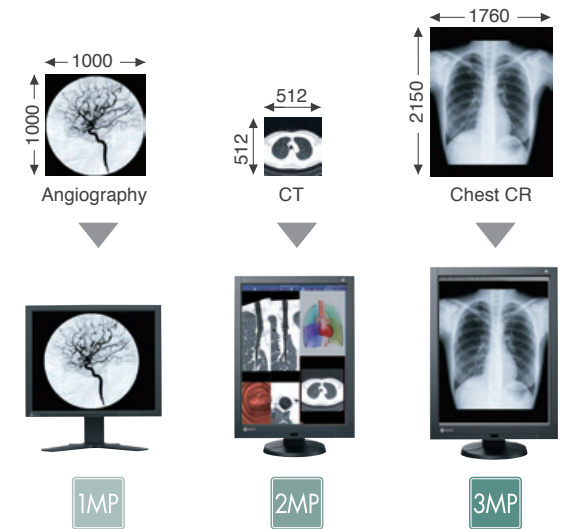
3 high-resolution megapixel monitors are capable of fully displaying chest X-ray images. 2 megapixel monitors are ideal for a wide variety of tasks from viewing CR, DR, MRI, and CT images to use as a PACS/HIS/RIS terminal. The space-efficient 1 megapixel monitors are ideal for referral imaging and review of CT and MRI images in a PACS environment.



Features

Support Images for Specializations

A full lineup of RadiForce diagnostic monitors provides you with an optimal selection to display the type of medical images you need for many fields. Selecting a monitor with the appropriate resolution to support particular images ensures proper support for the image volume.

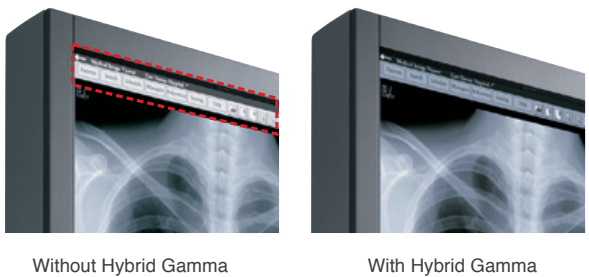


Optimize Brightness in All Areas

For the RX340 and RX240 color monitors, EIZO's unique Hybrid Gamma function distinguishes whether the images being displayed are monochrome or color and displays each image in the optimal brightness and tone, even when viewed on the screen at the same time.

For the GX340 and GX240 monochrome monitors, the function automatically recognizes medical images from other areas of the screen, such as tool palettes, and displays each one at ideal brightness levels. Lowering the brightness in these areas helps to decrease eye fatigue.

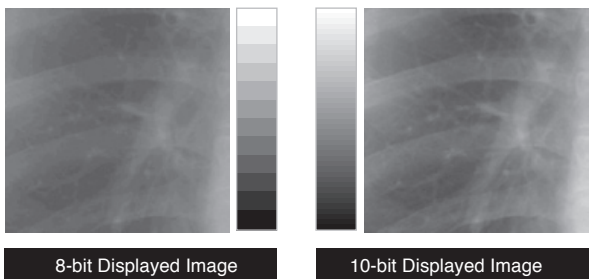
Accuracy in distinction may depend on how images are aligned. Viewer software compatibility verification is required.



Discern Subtleties in Grayscale Tones

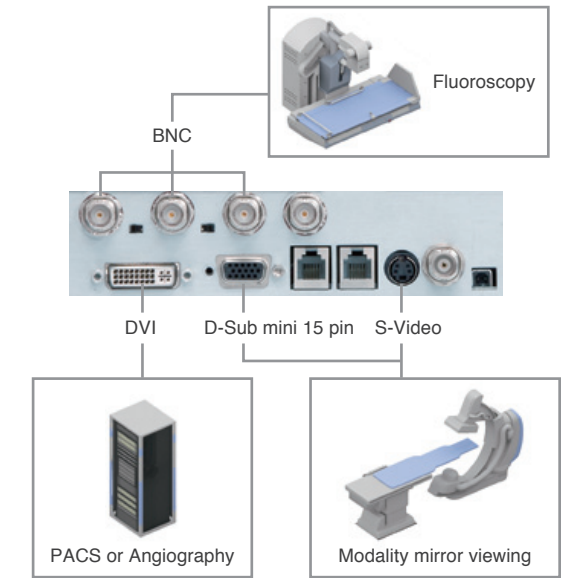
The GX340 and GX240 10-bit (1,024 tones) simultaneous grayscale display reproduces monochrome images with a high bit-depth for a sharper, clearer result.

10-bit graphics board and 10-bit viewer software needed for 10-bit display.



Connect with Any System

The SMD 19102 is equipped with multiple input signal support, including DVI-I, BNC, D-Sub mini 15 pin, and S-Video. This allows you to connect with any legacy or advanced modality system.



Clinical Review Monitors RadiForce® MX-Series

Superior cost performance clinical review monitors are ideal for viewing patient charts with MRI and CT medical images in DICOM Part 14 standard. In addition, they are available in wide-screen and square formats in various resolutions to meet the diverse needs of hospitals and clinics.



3.7MP MX270W
68cm (27") Color LCD Monitor



1MP MX191
48cm (19") Color LCD Monitor



2.3MP MX242W
61cm (24.1") Color LCD Monitor



2MP MS235WT
58cm (23") Multitouch Color LCD Monitor



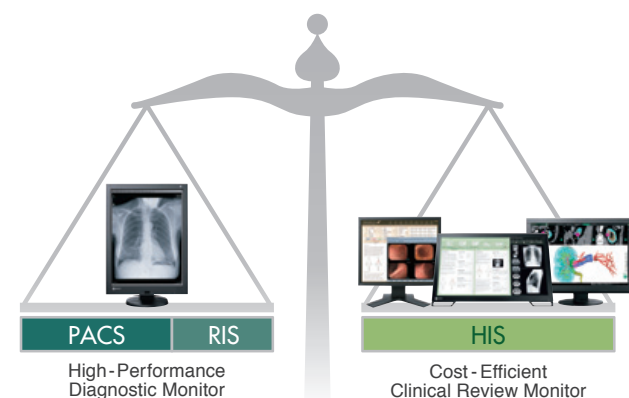
2MP MX215
54cm (21.3") Color LCD Monitor



Features

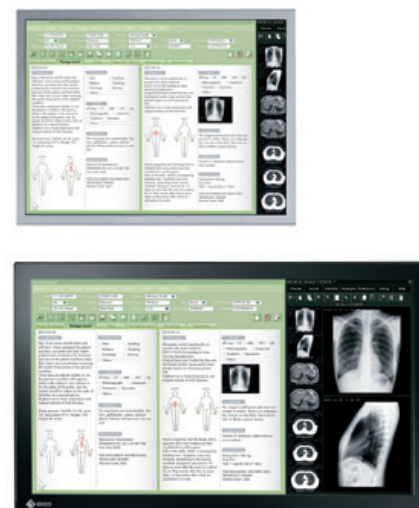
Stay Cost Efficient

For environments using clinical record applications for image referencing, more cost-efficient solutions are available with the MX Series, so you can continue to review medical images optimized for DICOM Part 14 while ensuring higher savings.



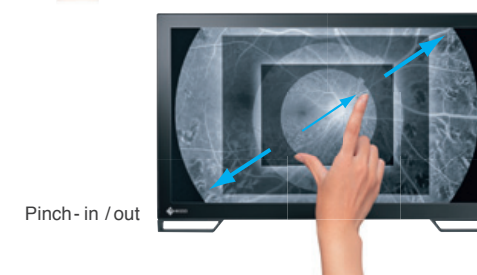
View More with Widescreen

The 16:10 or 16:9 aspect ratio of the widescreen monitors provides significantly more horizontal space than aspect ratios of conventional square monitors. The screen is wide enough so that you can keep tool palettes open without covering the window you are working on.



Easily Interact with Images

Both intuitive and easy to work with, the MS235WT multitouch interface lets you tap, scroll, drag, pinch, spin, etc. with your fingers instead of using a mouse and keyboard for convenient interaction with images.



Achieve Seamless Touch Operation

The new, perfectly flat surface design of the MS235WT allows touch operation all the way to the edges of the display area without being obstructed by the bezel for a smooth touch experience.



Monitor Quality Control Solutions RadiCS® & RadiNET® Pro

With filmless imaging spreading in medicine, maintaining the quality of monitors for medical imaging is becoming increasingly important. With the know-how and experience as a specialist in monitor manufacturing, EIZO offers monitor quality control solutions for diagnostic precision and comprehensive management to contribute to the improvement of the quality of medical care.



Quality Control Software
RadiCS®



Network QC Management Software
RadiNET® Pro Starter Edition
[For Small & Medium Sized Hospitals]

RadiNET® Pro
[For Large Sized Hospitals]

Network QC Management Server Providing
RadiNET® Pro Web Hosting

**Is your monitor in
its optimal state?**

See how you can benefit from EIZO
Medical Monitor Quality Control
Solutions with our animated video.
www.eizo.com/global/i/qc/



Features

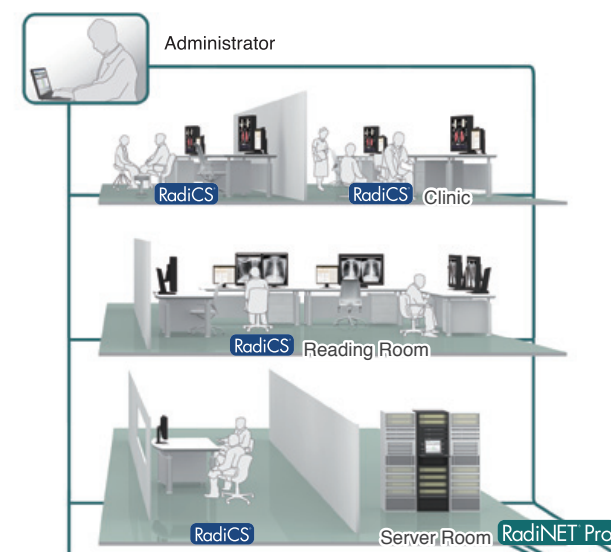
Ensure Precise Quality Control

RadiCS quality control software provides total support for the quality maintenance and control of client monitors, covering everything from calibration to acceptance and constancy tests, calibration asset, and historical management. Complying with AAPM, DIN, IEC, and other international QC standards, RadiCS enables precise QC with intuitive, easy-to-follow procedures.



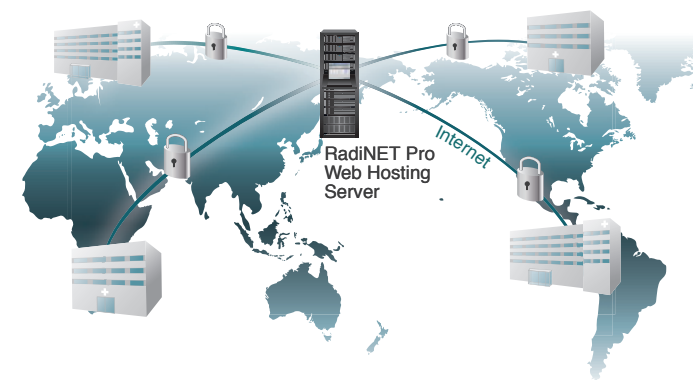
Keep Monitor Management Organized

RadiNET Pro network QC management software enables centralized management of calibration tasks, data history of multiple RadiCS clients via a network, and remote QC functions, significantly saving on costs related to complicated QC management.



Stay Worry-Free with Server Hosting

Instead of installing and setting up your own network QC management server in your hospital, EIZO will host the server for you. RadiNET Pro Web Hosting will free you from concern for initial investment and running cost. EIZO provides expert maintenance services for server operation which will give you the reassurance you need for monitor QC.



Maintain iPad Image Quality

RadiCS Mobile is an application for the iPad or iPad mini that aids in maintaining a quality display through regular checks and screen adjustment. This makes mobile medical image referencing more convenient and efficient.



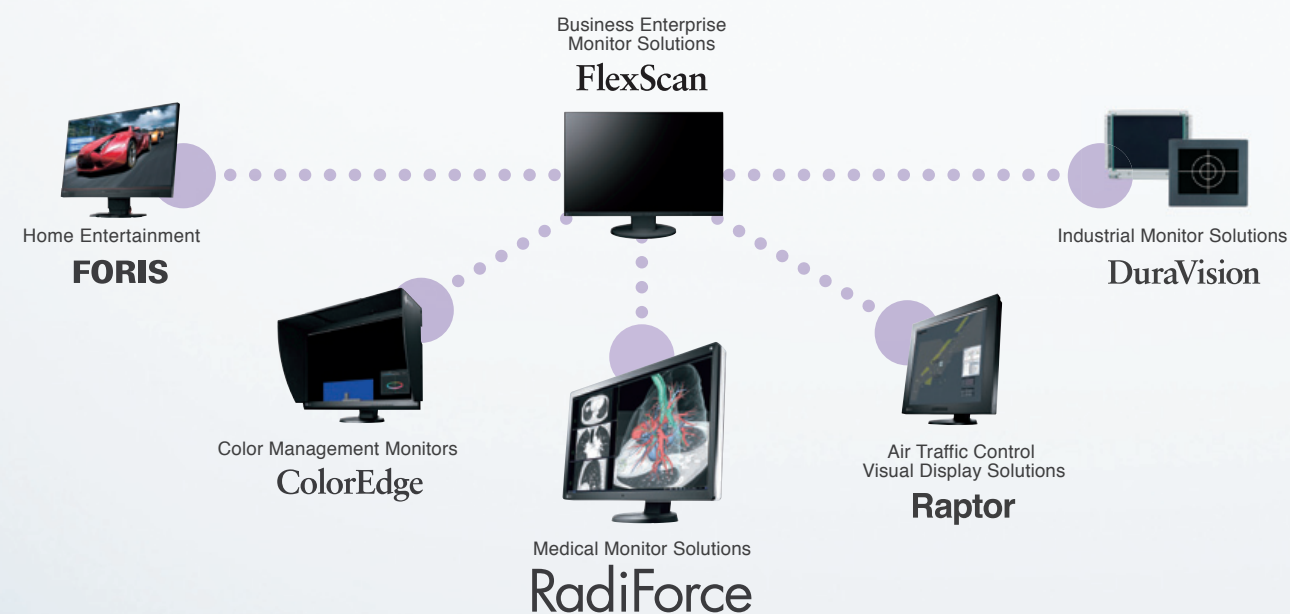
The EIZO Brand

Since 1968, EIZO has been researching and developing high-end visual display products and began providing imaging solutions for the field of medicine in 2002. Our integrated approach to developing, manufacturing, and quality control testing our monitors in-house guarantees the high quality and reliability of EIZO products in mission critical environments.



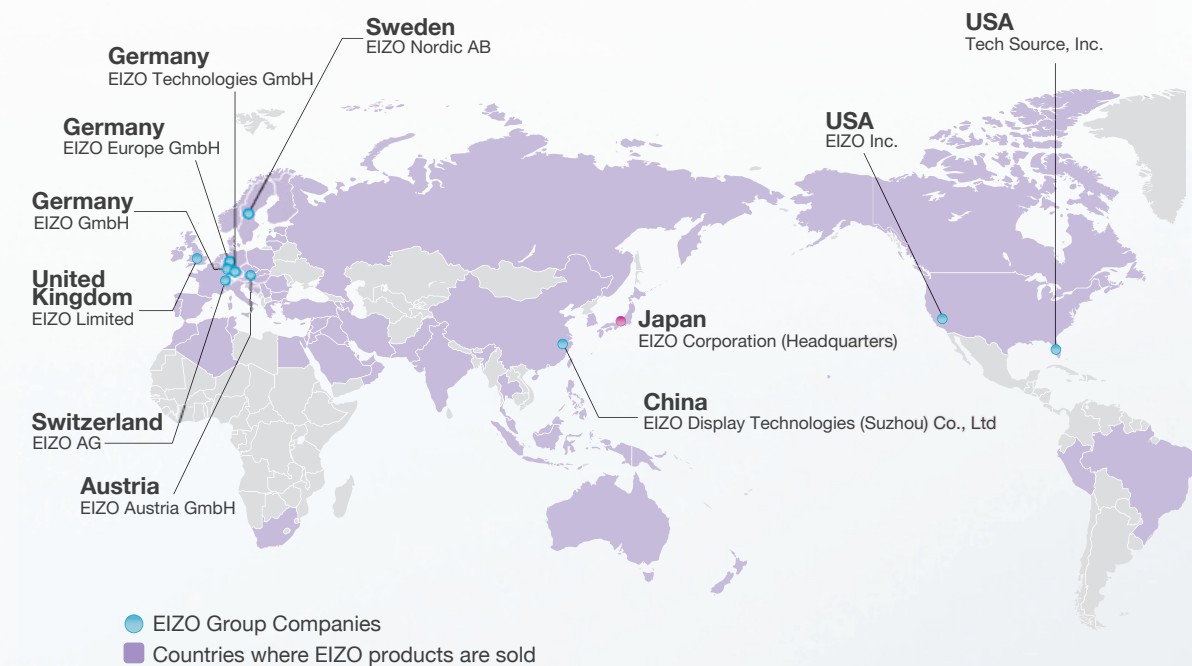
Added Value

In addition to the RadiForce lineup of medical monitors, EIZO offers comprehensive solutions for a variety of markets. The general-purpose FlexScan monitor serves as the core, incorporating the basic design and features into RadiForce and other product groups, and additional technologies are developed to meet the requirements of each specialized field.



Global Reach

Today, EIZO monitors are highly regarded in various specialty fields throughout the world because of their accurate and stable image display and innovative features. EIZO is based in Japan and is represented in over sixty countries by a network of group companies and exclusive distributors.



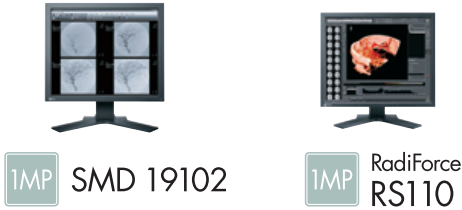
Specifications



Model Variations		—	—	—	GX540-CL: Clear Base GX540-CL-P: Pairing	GX340-CL: Clear Base GX340-CL-P: Pairing	—	GX240-CL: Clear Base GX240-CL-P: Pairing	—
Cabinet Color		Black	Black	Black	Black	Black	Black	Black	Black
Panel	Type	Color TFT LCD Panel (IPS)	Color TFT LCD Panel (IPS)	Color TFT LCD Panel (IPS)	Monochrome TFT LCD Panel (IPS)	Monochrome TFT LCD Panel (IPS)	Color TFT LCD Panel (IPS)	Monochrome TFT LCD Panel (IPS)	Color TFT LCD Panel (IPS)
	Backlight	LED	LED	LED	LED	LED	LED	LED	LED
	Size	79 cm / 31.1" (789 mm diagonal)	76 cm / 30" (761 mm diagonal)	76 cm / 29.8" (756 mm diagonal)	54 cm / 21.3" (540 mm diagonal)	54 cm / 21.3" (541 mm diagonal)	54 cm / 21.2" (539 mm diagonal)	54 cm / 21.3" (540 mm diagonal)	54 cm / 21.3" (540 mm diagonal)
	Native Resolution	4096 x 2160 (17:9 aspect ratio)	3280 x 2048 (16:10 aspect ratio)	2560 x 1600 (16:10 aspect ratio)	2048 x 2560 (4:5 aspect ratio)	1536 x 2048 (3:4 aspect ratio)	1536 x 2048 (3:4 aspect ratio)	1200 x 1600 (3:4 aspect ratio)	1200 x 1600 (3:4 aspect ratio)
	Viewable Image Size (H x V)	697.9 x 368.0 mm	645.5 x 403.0 mm	641.2 x 400.8 mm	337.9 x 422.4 mm	324.8 x 433.1 mm	323.7 x 431.6 mm	324.0 x 432.0 mm	324.0 x 432.0 mm
	Pixel Pitch	0.1704 x 0.1704 mm	0.197 x 0.197 mm	0.2505 x 0.2505 mm	0.165 x 0.165 mm	0.2115 x 0.2115 mm	0.21075 x 0.21075 mm	0.270 x 0.270 mm	0.270 x 0.270 mm
	Grayscale Tones / Display Colors	10-bit colors (DisplayPort) : 1.07 billion (maximum) colors 8-bit colors: 16.77 million from a palette of 68 billion colors	10-bit colors (DisplayPort) : 1.07 billion (maximum) colors 8-bit colors: 16.77 million from a palette of 68 billion colors	10-bit colors (DisplayPort) : 1.07 billion (maximum) colors 8-bit colors: 16.77 million from a palette of 68 billion colors	10-bit (DisplayPort) : 1,024 from a palette of 16,369 tones 8-bit: 256 from a palette of 16,369 tones	10-bit (DisplayPort) : 1,024 from a palette of 16,369 tones 8-bit: 256 from a palette of 16,369 tones	10-bit colors (DisplayPort) : 1.07 billion (maximum) colors 8-bit colors: 16.77 million from a palette of 68 billion colors	10-bit (DisplayPort) : 1,024 from a palette of 16,369 tones 8-bit: 256 from a palette of 16,369 tones	10-bit colors (DisplayPort) : 1.07 billion (maximum) colors 8-bit colors: 16.77 million from a palette of 68 billion colors
	Viewing Angles (H / V, typical)	178° / 178°	176° / 176°	176° / 176°	176° / 176°	176° / 176°	170° / 170°	176° / 176°	176° / 176°
	Brightness (typical)	850 cd/m ²	800 cd/m ²	750 cd/m ²	1,200 cd/m ²	1,200 cd/m ²	1,000 cd/m ²	1,200 cd/m ²	760 cd/m ²
	Recommended Brightness for Calibration	500 cd/m ²	400 cd/m ²	400 cd/m ²	500 cd/m ²	500 cd/m ²	400 cd/m ²	500 cd/m ²	400 cd/m ²
Video Signals	Contrast Ratio (typical)	1450:1	1000:1	1100:1	1200:1	1400:1	1400:1	1200:1	1200:1
	Response Time (typical)	20 ms (On / Off)	30 ms (On / Off)	20 ms (On / Off)	25 ms (On / Off)	40 ms (On / Off)	22 ms (On / Off)	40 ms (On / Off)	40 ms (On / Off)
	Input Terminals	DVI-D (dual link) x 2, DisplayPort x 2 (two inputs are required)	DVI-D (dual link) x 2, DisplayPort x 2 (two inputs are required)	DVI-D (dual link) x 1, DVI-D (single link) x 1, DisplayPort x 1	DVI-D (dual link) x 1, DisplayPort x 1	DVI-D (dual link) x 1, DisplayPort x 1	DVI-D (dual link) x 1, DisplayPort x 1	DVI-D x 1, DisplayPort x 1	DVI-D x 1, DisplayPort x 1
	Digital Scanning Frequency (H / V)	31 - 140 kHz / 59 - 61 Hz Frame synchronous mode: 29.5 - 30.5 Hz, 59 - 61 Hz	31 - 140 kHz / 59 - 61 Hz Frame synchronous mode: 29.5 - 30.5 Hz, 59 - 61 Hz	31 - 129 kHz / 29 - 61 Hz Frame synchronous mode: 59 - 61 Hz, 29.5 - 30.5 Hz	31 - 135 kHz / 24 - 61 Hz Frame synchronous mode: 24.5 - 25.5 Hz, 49 - 51 Hz	31 - 127 kHz / 29 - 61.5 Hz Frame synchronous mode: 29.5 - 30.5 Hz, 59 - 61 Hz	31 - 127 kHz / 29 - 61.5 Hz Frame synchronous mode: 29.5 - 30.5 Hz, 59 - 61 Hz	31 - 100 kHz / 59 - 61 Hz Frame synchronous mode: 59 - 61 Hz	31 - 100 kHz / 59 - 61 Hz Frame synchronous mode: 59 - 61 Hz
USB	Analog Scanning Frequency (H / V)	—	—	—	—	—	—	—	—
	Sync Formats	—	—	—	—	—	—	—	—
	Function	1 upstream, 2 downstream	1 upstream, 2 downstream	1 upstream, 2 downstream	1 upstream, 2 downstream	1 upstream, 2 downstream	1 upstream, 2 downstream	1 upstream, 2 downstream	1 upstream, 2 downstream
Power	Standard	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0
	Power Requirements	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz
	Maximum Power Consumption	227 W	225 W	167 W	108 W	90 W	125 W	76 W	105 W
	Typical Power Consumption	111 W	108 W	84 W	47 W	36 W	56 W	29 W	52 W
	Power Save Mode	Less than 6 W	Less than 6 W	Less than 0.7 W	Less than 0.7 W	Less than 1.6 W	Less than 3 W	Less than 1.6 W	Less than 1.6 W
Sensor	Power Management	DVI DMPM DisplayPort 1.1a	DVI DMPM DisplayPort 1.1a	DVI DMPM DisplayPort 1.1a	DVI DMPM DisplayPort 1.1a	DVI DMPM DisplayPort 1.1a	DVI DMPM DisplayPort 1.1a	DVI DMPM DisplayPort 1.1a	DVI DMPM DisplayPort 1.1a
	Backlight Sensor, Integrated Front Sensor, Presence Sensor, Ambient Light Sensor	Backlight Sensor, Integrated Front Sensor, Presence Sensor, Ambient Light Sensor	Backlight Sensor, Integrated Front Sensor, Presence Sensor, Ambient Light Sensor	Backlight Sensor, Integrated Front Sensor, Presence Sensor, Ambient Light Sensor	Backlight Sensor, Integrated Front Sensor, Presence Sensor, Ambient Light Sensor	Backlight Sensor, Integrated Front Sensor, Presence Sensor, Ambient Light Sensor	Backlight Sensor, Integrated Front Sensor, Presence Sensor, Ambient Light Sensor	Backlight Sensor, Integrated Front Sensor, Presence Sensor, Ambient Light Sensor	Backlight Sensor, Integrated Front Sensor, Presence Sensor, Ambient Light Sensor
OSD Languages		English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese
Physical Specifications	Net Weight	22.4 kg (AC adapter included)	20.2 kg (AC adapter included)	20.2 kg	11.5 kg	10.2 kg	10.7 kg	10.2 kg	10.2 kg
	Net Weight (Without Stand)	15.8 kg	13.6 kg	16.0 kg	8.8 kg	7.5 kg	8.0 kg	7.5 kg	7.5 kg
	Hole Spacing (VESA Standard)	100 x 100 mm	100 x 100 mm	200 x 100 mm, 100 x 100 mm	100 x 100 mm	100 x 100 mm	100 x 100 mm	100 x 100 mm	100 x 100 mm
Certifications & Standards ¹		CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, RoHS, China RoHS, WEEE, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, RoHS, China RoHS, WEEE, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, RoHS, China RoHS, WEEE, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, RoHS, China RoHS, WEEE, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, RoHS, China RoHS, WEEE, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, RoHS, China RoHS, WEEE, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, RoHS, China RoHS, WEEE, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, RoHS, China RoHS, WEEE, CCC, GOST-R
FDA 510(k) Clearance ^{1,2,3}		Yes (for Mammography and General Radiography)	Yes (for General Radiography)	Yes (for General Radiography)	Yes (for Mammography and General Radiography)	Yes (for General Radiography)	Yes (for General Radiography)	Yes (for General Radiography)	Yes (for General Radiography)
Supplied Accessories		AC power cord, AC adapter, dual link signal cable (DVI-D - DVI-D) x 2, signal cable (DisplayPort - DisplayPort) x 2, USB cable, holder for power cord, Utility Disk (RadiCS LE, ScreenManager Pro for Medical, PDF instructions for use, PDF installation manual), instructions for use	AC power cord, AC adapter, dual link signal cable (DVI-D - DVI-D) x 2, signal cable (DisplayPort - DisplayPort) x 2, USB cable, holder for power cord, Utility Disk (RadiCS LE, ScreenManager Pro for Medical, PDF instructions for use, PDF installation manual), instructions for use	AC power cord, dual link signal cable (DVI-D - DVI-D), signal cable (DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical)	AC power cord, dual link signal cable (DVI-D - DVI-D), signal cable (DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical, user's manual)	AC power cord, dual link signal cable (DVI-D - DVI-D), signal cable (DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical, user's manual)	AC power cord, dual link signal cable (DVI-D - DVI-D), signal cable (DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical, user's manual)	AC power cord, signal cables (DVI-D - DVI-D, DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical, user's manual)	AC power cord, signal cables (DVI-D - DVI-D, DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical, user's manual)
Warranty		Five Years	Five Years	Five Years	Five Years	Five Years	Five Years	Five Years	Five Years
Dimensions (Unit: mm)									

¹ Please contact the EIZO group company or distributor in your country for the latest information.
² Only monitors with FDA 510(k) Clearance should be used when making a diagnosis.
³ Models with general radiography clearance do not support the display of mammography images for diagnoses.

Specifications



Model Variations		SMD 19102 D: With Stand SMD 19102 DL: With Stand, with Last Image Hold function SMD 19102 C: Without Stand SMD 19102 CP: Without Stand, with Panel Protector	—
Cabinet Color		Anthracite Gray	Black
Panel	Type	Monochrome TFT LCD Panel (IPS)	Color TFT LCD Panel (IPS)
	Backlight	CCFL	CCFL
	Size	48 cm / 19" (481 mm diagonal)	48 cm / 19" (481 mm diagonal)
	Native Resolution	1280 x 1024 (5:4 aspect ratio)	1280 x 1024 (5:4 aspect ratio)
	Viewable Image Size (H x V)	376.0 x 301.0 mm	376.3 x 301.0 mm
	Pixel Pitch	0.294 x 0.294 mm	0.294 x 0.294 mm
	Grayscale Tones / Display Colors	256 tones	8-bit colors: 16.77 million from a palette of 1.06 billion colors
	Viewing Angles (H / V, typical)	170° / 170°	176° / 176°
	Brightness (typical)	1,000 cd/m ²	290 cd/m ²
	Recommended Brightness for Calibration	400 cd/m ²	170 cd/m ²
	Contrast Ratio (typical)	900:1	800:1
	Response Time (typical)	25 ms (On / Off)	20 ms (On / Off)
	Input Terminals	DVI-I x 1, D-Sub mini 15 pin x 1, BNC x 4, S-Video x 1	DVI-I x 1, D-Sub mini 15 pin x 1
Video Signals	Digital Scanning Frequency (H / V)	31 - 100 kHz / 48 - 85 Hz	30 - 65 kHz / 59 - 61 Hz
	Analog Scanning Frequency (H / V)	24 - 100 kHz / 50 - 100 Hz	30 - 82 kHz / 49 - 86 Hz (1280 x 1024: 49 ~ 76 Hz) Frame synchronous mode: 57.5 - 62 Hz
	Sync Formats	Separate, Composite, Sync-on-Green	Separate, Composite, Sync-on-Green
	USB		
USB	Function	—	1 upstream, 2 downstream
	Standard	—	USB 2.0
Power	Power Requirements	AC 100 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz
	Maximum Power Consumption	58 W	55 W
	Typical Power Consumption	26 W	31 W
	Power Save Mode	Less than 8 W	Less than 1.3 W
	Power Management	Digital: DVI DMPM Analog: VESA DPM	Digital: DVI DMPM Analog: VESA DPM
Sensor		Backlight Sensor	Backlight Sensor
OSD Languages		English, German	English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese
Physical Specifications	Net Weight	SMD 19102 D, SMD 19102 DL: 10.7 kg SMD 19102 C: 6.4 kg SMD 19102 CP: 7.0 kg	7.2 kg
	Net Weight (Without Stand)	—	5.3 kg
	Hole Spacing (VESA Standard)	100 x 100 mm	100 x 100 mm
Certifications & Standards ¹		CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, FCC-A, RoHS, China RoHS, WEEE, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, RoHS, China RoHS, WEEE, CCC, GOST-R
FDA 510(k) Clearance ^{1,2,3}		—	Yes (for General Radiography)
Supplied Accessories		AC power cord, signal cable (DVI-D - DVI-D), Utility Disk (user's manual)	AC power cord, signal cable (DVI-D - DVI-D), USB cable, Utility Disk (RadiCS I.E., ScreenManager Pro for Medical), ToneCurve Tuning Utility, user's manual, warranty card
Warranty		Five Years	Five Years
Dimensions (Unit: mm)			

¹ Please contact the EIZO group company or distributor in your country for the latest information.
² Only monitors with FDA 510(k) Clearance should be used when making a diagnosis.
³ Models with general radiography clearance do not support the display of mammography images for diagnoses.

Graphics Boards

To get the most out of the extraordinary capabilities of our high-definition RadiForce monitors, we recommend that you use them with one of EIZO's dedicated graphics boards. Each board is used to specifically support RadiForce medical monitor solutions and achieves the native resolution and high performance required for making precise diagnoses. In addition, it is also possible to run a three-screen solution with a single graphics board. EIZO offers technical support and guaranteed service for all boards.

	MED-X7000	MED-X5000	MED-X4900	MED-X3900	Xenia Pro	Xenia
Bus Interface	PCI-Express x16	PCI-Express x16	PCI-Express x16	PCI-Express x16	PCI-Express x16	PCI-Express x16
Compatible OS	Windows 7, Vista (Four Output Max) Windows XP (Two Output Max)	Windows 7, Vista (Three Output Max) Windows XP (Two Output Max)	Windows 7, Vista (Three Output Max) Windows XP (Two Output Max)	Windows 7, Vista, XP (Two Output Max)	Windows 7, Vista, XP (Three Output Max)	Windows 7, Vista, XP (Three Output Max)
Frame Buffer Memory	4 GB	2 GB	1 GB	1 GB	1 GB	512 MB
Display Grayscale Tones / Colors	10-bit, 8-bit	10-bit, 8-bit	10-bit, 8-bit	10-bit, 8-bit	10-bit, 8-bit	10-bit, 8-bit
Output Terminal	DisplayPort x 4, DisplayPort to DVI-D cable x 2	DVI-I x 1, DisplayPort x 2, DisplayPort to DVI-D cable x 1	DVI-I x 1, DisplayPort x 2, DisplayPort to DVI-D cable x 1	DVI-I x 1, DisplayPort x 1, DisplayPort to DVI-D cable x 1	DVI-I x 3	DVI-I x 3
Maximum Power Consumption	150 W	75 W	75 W	50 W	36.3 W	34.3 W
Slot(s)	1	1	1	1	1	1
Chassis	Standard	Standard	Standard	Standard & Low-Profile	Standard	Standard
Dimensions (W x H)	242.0 x 111.1 mm	183.0 x 111.1 mm	167.6 x 111.1 mm	167.6 x 69.0 mm	167.6 x 111.1 mm	167.6 x 111.1 mm
8MP RX850	10 bit 8 bit	10 bit 8 bit	10 bit 8 bit	10 bit 8 bit	8 bit	—
6MP RX650	10 bit 8 bit	10 bit 8 bit	10 bit 8 bit	10 bit 8 bit	8 bit	8 bit
4MP RX440	10 bit 8 bit	10 bit 8 bit	10 bit 8 bit	10 bit 8 bit	8 bit	8 bit
5MP GX540	10 bit 8 bit	10 bit 8 bit	10 bit 8 bit	10 bit 8 bit	8 bit	—
3MP GX340	10 bit 8 bit	10 bit 8 bit	10 bit 8 bit	10 bit 8 bit	8 bit	8 bit
3MP RX340	10 bit 8 bit	10 bit 8 bit	10 bit 8 bit	10 bit 8 bit	8 bit	8 bit
2MP GX240	10 bit 8 bit	10 bit 8 bit	10 bit 8 bit	10 bit 8 bit	8 bit	8 bit
2MP RX240	10 bit 8 bit	10 bit 8 bit	10 bit 8 bit	10 bit 8 bit	8 bit	8 bit
1MP SMD 19102	8 bit	8 bit	8 bit	8 bit	8 bit	8 bit
1MP RS110	8 bit	8 bit	8 bit	8 bit	8 bit	8 bit
3.7MP MX270W	10 bit 8 bit	10 bit 8 bit	10 bit 8 bit	10 bit 8 bit	8 bit	—
2.3MP MX242W	10 bit 8 bit	10 bit 8 bit	10 bit 8 bit	10 bit 8 bit	8 bit	8 bit
2MP MX215	10 bit 8 bit	10 bit 8 bit	10 bit 8 bit	10 bit 8 bit	8 bit	8 bit
1MP MX191	8 bit	8 bit	8 bit	8 bit	8 bit	8 bit
2MP MS235WT	8 bit	8 bit	8 bit	8 bit	8 bit	8 bit

10 bit 8 bit Recommended 10 bit 8 bit Compatible
Graphics board compatibility is subject to change without notice. Please check eizo.com website for updates.

Specifications



Cabinet Color		Black	Black	Black	Black	Black
Panel	Type	Color TFT LCD Panel (IPS)	Color TFT LCD Panel (IPS)	Color TFT LCD Panel (IPS)	Color TFT LCD Panel (VA)	Color TFT LCD Panel (IPS)
	Backlight	LED	LED	LED	CCFL	LED
	Size	68 cm / 27" (684 mm diagonal)	61 cm / 24.1" (611 mm diagonal)	54 cm / 21.3" (540 mm diagonal)	48 cm / 19" (481 mm diagonal)	58 cm / 23" (584 mm diagonal)
	Native Resolution	2560 x 1440 (16:9 aspect ratio)	1920 x 1200 (16:10 aspect ratio)	1200 x 1600 (3:4 aspect ratio)	1280 x 1024 (5:4 aspect ratio)	1920 x 1080 (16:9 aspect ratio)
	Viewable Image Size (H x V)	596.7 x 335.6 mm	518.4 x 324.0 mm	324.0 x 432.0 mm	376.3 x 301.0 mm	509.1 x 286.4 mm
	Pixel Pitch	0.233 x 0.233 mm	0.270 x 0.270 mm	0.270 x 0.270 mm	0.294 x 0.294 mm	0.2652 x 0.2652 mm
	Display Colors	10-bit colors (DisplayPort) : 1.07 billion (maximum) colors 8-bit colors: 16.77 million from a palette of 68 billion colors	10-bit colors (DisplayPort) : 1.07 billion (maximum) colors 8-bit colors: 16.77 million from a palette of 68 billion colors	10-bit colors (DisplayPort) : 1.07 billion (maximum) colors 8-bit colors: 16.77 million from a palette of 68 billion colors	8-bit colors: 16.77 million from a palette of 8.50 billion colors	8-bit colors: 16.77 million from a palette of 1.06 billion colors
	Viewing Angles (H / V, typical)	178° / 178°	178° / 178°	178° / 178°	178° / 178°	178° / 178°
	Brightness (typical)	300 cd/m ²	350 cd/m ²	420 cd/m ²	300 cd/m ²	260 cd/m ²
	Contrast Ratio (typical)	1000:1	1000:1	1500:1	2000:1	1000:1
Touch Panel	Response Time (typical)	12 ms (On / Off), 8 ms (Midtone)	12 ms (On / Off)	20 ms (On / Off)	20 ms (On / Off), 8 ms (Midtone)	16 ms (On / Off), 6 ms (Midtone)
	Type	—	—	—	—	Projected Capacitive Type
	Communication Protocol	—	—	—	—	USB
	Surface Hardness	—	—	—	—	5 H
Video Signals	Compatible OS	—	—	—	—	Multi-touch: Windows 8 (64-bit, 32-bit), Windows 7 (64-bit, 32-bit) Single-touch: Windows XP (32-bit)
	Input Terminals	DVI-D x 1, DisplayPort x 1	DVI-I x 1, DisplayPort x 1	DVI-I x 1, DisplayPort x 1	DVI-D x 1, D-Sub mini 15 pin x 1	DVI-D x 1, DisplayPort x 1, D-Sub mini 15 pin x 1
	Digital Scanning Frequency (H / V)	31 - 89 kHz / 29.5 - 61 Hz	31 - 76 kHz / 59 - 61 Hz	31 - 100 kHz / 59 - 61 Hz	31 - 64 kHz / 59 - 61 Hz	31 - 68 kHz / 59 - 61 Hz
	Analog Scanning Frequency (H / V)	—	26 - 76 kHz / 49 - 71 Hz	26 - 100 kHz / 49 - 76 Hz	24.8 - 80 kHz / 50 - 75 Hz	31 - 81 kHz / 55 - 76 Hz
	Sync Formats	—	Separate	Separate, Composite	Separate	Separate
USB	Function	1 upstream, 2 downstream	1 upstream, 2 downstream	1 upstream, 2 downstream	1 upstream	1 upstream, 2 downstream
	Standard	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0
Power	Power Requirements	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz
	Maximum Power Consumption	82 W	68 W	48 W	43 W	56 W
	Typical Power Consumption	39 W	31 W	19 W	26 W	21 W
	Power Save Mode	Less than 1 W	Less than 0.5 W	Less than 0.5 W	Less than 0.8 W	Less than 0.5 W
	Power Management	DVI DMPM, DisplayPort 1.1a	Digital: DVI DMPM, DisplayPort 1.1a Analog: VESA DPM	Digital: DVI DMPM, DisplayPort 1.1a Analog: VESA DPM	Digital: DVI DMPM Analog: VESA DPM	Digital: DVI DMPM, DisplayPort 1.1a Analog: VESA DPM
Sensor		Backlight Sensor, Integrated Front Sensor	Backlight Sensor	Backlight Sensor, Integrated Front Sensor, Presence Sensor	Backlight Sensor	—
OSD Languages		English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese	English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese
Physical Specifications	Net Weight	11.1 kg	8.7 kg	8.0 kg	7.2 kg	6.6 kg
	Net Weight (Without Stand)	8.4 kg	6.0 kg	5.4 kg	5.2 kg	6.0 kg
	Hole Spacing (VESA Standard)	100 x 100 mm	100 x 100 mm	100 x 100 mm	100 x 100 mm	100 x 100 mm
Certifications & Standards /		CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, RoHS, China RoHS, WEEE, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, RCM, RoHS, China RoHS, WEEE, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, RoHS, China RoHS, WEEE, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, RoHS, China RoHS, WEEE, CCC, GOST-R	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, RoHS, China RoHS, WEEE, CCC, GOST-R
FDA 510(k) Clearance ^{1,2,3}		Yes (for General Radiography)	Yes (for General Radiography)	Yes (for General Radiography)	—	—
Supplied Accessories		AC power cord, signal cables (DVI-D - DVI-D, DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical, user's manual)	AC power cord, signal cable (DVI-D - DVI-D, DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical, PDF instructions for use, PDF installation manual), instructions for use	AC power cord, signal cables (DVI-D - DVI-D, DisplayPort - DisplayPort), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical, user's manual)	AC power cord, signal cables (DVI-D - DVI-D), USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical, user's manual)	AC power cord, signal cables (DVI-D - DVI-D, DisplayPort - DisplayPort), USB cable, audio cable, touch pen, holder for touch pen, Utility Disk (user's manual), cleaning cloth
Warranty		Five Years	Five Years	Five Years	Five Years	Three Years
Dimensions (Unit: mm)						
		MX191 : 				
		• Swivel not supported with MS235WT.				

¹ Please contact the EIZO group company or distributor in your country for the latest information.
² Only monitors with FDA 510(k) Clearance should be used when making a diagnosis.
³ Models with general radiography clearance do not support the display of mammography images for diagnoses.

RadiCS UX1
Monitor Quality Control Tool



Compatible Monitors	RadiForce Monitors
Compatible Operating Systems	Windows 8.1 Windows 8 Windows 7 / SP1 Windows Vista SP2 Windows XP Professional Edition SP2 (64-bit) Windows XP Professional SP2 / SP3 OS X Mountain Mavericks (10.9) OS X Mountain Lion (10.8)
Display Functions	DICOM Part 14 GSDF, CIE, Exponential (gamma value), Log Linear, Linear, Native, User definition
Interface	USB, RS232C, DDC, DDC/CI
Languages	English, German, Japanese, Chinese
Package Contents	RadiCS DVD-ROM (RadiCS, user's manual), UX1 Sensor

RadiNET Pro Starter Edition
Network QC Management Software
[For Small & Medium Sized Hospitals]



RadiNET Pro
Network QC Management Software
[For Large Sized Hospitals]

Manageable Number of PCs / Monitors	RadiNET Pro Starter Edition: 20 Monitors Maximum RadiNET Pro: 1,000 PCs / 8,000 Monitors Maximum
Administrator PC Browser	Microsoft Windows Internet Explorer 11.0, 10.0, 9.0 Google Chrome 36.0
Administrator PC Resolution	1280 x 1024 Minimum
Server PC Operating Systems	Windows Server 2012 R2 Windows Server 2008 R2 Standard Edition SP1 Windows Server 2008 Standard Edition SP2 Windows Server 2003 R2 Standard Edition SP2 Windows 7 SP1 Professional / Enterprise / Ultimate (64-bit)
Server PC Database	RadiNET Pro, RadiNET Pro Starter Edition: SQL Server 2012 Standard Edition SP1 SQL Server 2012 Express Edition SP1 SQL Server 2008 R2 Workgroup Edition SP2 SQL Server 2008 R2 Standard Edition SP2 SQL Server 2008 R2 Express Edition SP2 SQL Server 2008 Workgroup Edition SP3 SQL Server 2008 Standard Edition SP3 SQL Server 2008 Express Edition SP3 SQL Server 2005 Workgroup Edition SP4 SQL Server 2005 Standard Edition SP4 SQL Server 2005 Express Edition SP4
Server PC Hard Disk Drive	System installation capacity: 50GB or more RadiNET Pro data storage area: 100GB or more
Server PC Memory	4 GB Minimum
Languages	English, German, Japanese, Chinese

RadiCS Version UP KIT

Software for upgrading RadiCS.

RadiCS Mobile

An application for tablet quality control.

RadiCS Client License

A license to use RadiCS with other commercially available monitors.

10Monitor Access License

for RadiNET Pro Starter Edition

Monitor Access License must be purchased for every 10 additional monitors when using RadiNET Pro Starter Edition.

EIZO Corporation

153 Shimokashiwano, Hakusan, Ishikawa 924-8566 Japan

Phone +81-76-277-6792 Fax +81-76-277-6793

www.eizo.com

All product names are trademarks or registered trademarks of their respective companies.
EIZO, RadiForce, RadiCS, and RadiNET are registered trademarks of EIZO Corporation.
Specifications are subject to change without notice.

Copyright© 2014 EIZO Corporation. All rights reserved. Printed in Japan, 10, 2014, 2K (141001B)